WHAT IS CLAIMED IS:

1. A wireless communication terminal operating based on a time division scheme and having a normal communication function between the terminal and a base station and a relay communication function between a second wireless communication terminal and the base station, the terminal comprising:

a baseband processor that spread-demodulates relay signals and spread-modulates the spread-demodulated relay signals; and

a multiplex controller performing an operation for producing a command so that the baseband processor multiplexes the spread-modulated relay signal with the other spread-modulated relay signal.

2. The wireless communication terminal according to claim 1, wherein the multiplex controller changes the operation based on a condition within a service area of the terminal.

3. The wireless communication terminal according to claim 1, wherein the multiplex controller changes the operation in response to an instruction from the base station.

4. A wireless communication terminal operating based on a time division scheme and having a normal communication function between the terminal and a base station and a relay communication function between a second wireless communication

terminal and the base station, the terminal comprising:

a baseband processor that demodulates a relay signal and modulates the demodulated relay signal; and

transmission rate setting means for setting a transmission rate for the relay communication based on a condition within a service area of the base station.

5. The wireless communication terminal according to claim 4, wherein the transmission rate setting means changes the transmission rate in response to an instruction from the base station.

6. The wireless communication terminal according to claim 4, wherein the transmission rate setting means changes a modulation scheme of the baseband processor to set the transmission rate.

7. The wireless communication terminal according to claim 2, wherein the condition is the number of free time slots of the time division scheme of the wireless communication terminal.

8. The wireless communication terminal according to claim 4, wherein the condition is the number of free time slots of the time division scheme of the wireless communication terminal.